

## Message Text

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INFO AMEMBASSY BONN

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E.O. N/A

TAGS: ABLD, GE, US

SUBJECT: ADMINISTRATIVE ARRANGEMENTS FOR US EMBASSY IN EAST BERLIN

REF: BERLIN 1025

1. MISSION OFFICER JUNE 20 DELIVERED TO LOEFFLER OF GDR DIPLOMATIC SERVICES OFFICE GERMAN TRANSLATION OF PAPER OUTLINING "STRUCTURAL ENGINEERING REQUIREMENTS FOR AND SURVEY OF PROPOSED EMBASSY BUILDING IN EAST BERLIN" WHICH US TEAM HAD OFFERED TO SUPPLY EAST GERMAN ENGINEER ON JUNE 17 (PARA 3, REFTEL). TEXT OF PAPER FOLLOWS (GERMAN TRANSLATION BEING FORWARDED EUR/CE):

"1. A MINIMUM FLOOR LOADING CAPACITY OF 80 LBS/SQFT (391 KG/SQM) IS REQUIRED THROUGHOUT THE BUILDING. THIS IS SUPERIMPOSED LIVE LOAD AND DOES NOT INCLUDE SELF-WEIGHT OF THE STRUCTURE.

"2. IN CERTAIN AREAS, A CAPACITY OF 100 LBS/SQFT (488 KG/SQM) IS REQUIRED. THE EXACT LOCATION OF THESE AREAS HAS NOT YET BEEN DETERMINED.

"3. A SURVEY SHALL BE MADE TO ASCERTAIN THE DETAILS OF THE EXISTING FLOOR CONSTRUCTION, I.E. SUCH ITEMS AS:

- A. SIZE AND SPACING OF STEEL BEAMS
- B. THICKNESS AND STRENGTH OF MASONRY ARCHES SPANNING BETWEEN STEEL BEAMS

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C. REINFORCEMENT OF POURED-IN-PLACE CONCRETE JOIST, ETC.

"4. THIS SURVEY SHALL BE DONE BY CUTTING HOLES IN THE CEILING IN ORDER TO EXPOSE THE EXISTING STRUCTURE. THE NUMBER OF SUCH HOLES REQUIRED ON ANY ONE FLOOR IS LEFT TO THE JUDGEMENT OF THE STRUCTURAL ENGINEER; HOWEVER, IN NO CASE SHALL LESS THAN TWO HOLES, LOCATED AT WIDELY SPACED POINTS ON THE FLOOR, BE CUT.

"DRILLED CORE SAMPLES SHALL BE TAKEN FROM THE EXISTING FLOOR STRUCTURE, BOTH TO DETERMINE THE THICKNESS OF THE VARIOUS STRUCTURAL ELEMENTS AND THE STRENGTH OF THE MATERIALS BY MEANS OF APPROPRIATE LABORATORY TESTS. THE NUMBER OF CORES IS LEFT TO THE JUDGEMENT OF THE STRUCTURAL ENGINEER. HOWEVER, IT SHALL BE SUFFICIENT TO DETERMINE THE STRENGTH OF ALL STRUCTURAL MATERIALS, SUCH AS POURED-IN-PLACE CONCRETE, MASONRY, CRETE BLOCK ETC., WHICH ARE IMPORTANT TO THE CARRYING CAPACITY OF THE FLOOR STRUCTURE.

"5. FOLLOWING THE SURVEY, ENGINEERING CALCULATIONS SHALL BE MADE TO DETERMINE FLOOR CAPACITY IN THE VARIOUS AREAS.

"6. THE ENGINEERING CALCULATIONS, TOGETHER WITH SKETCHES SHOWING FLOOR CONSTRUCTION IN THE VARIOUS AREAS, SHALL BE SUBMITTED FOR REVIEW.

"7. IN CASE THE STRENGTH OF THE EXISTING FLOORS FALLS BELOW 80 LBS/SQ FT, PROPOSALS SHALL BE MADE FOR STRENGTHENING OF THE FLOORS.

"SUCH STRENGTHENING MAY CONSIST OF ADDITIONAL STEEL BEAMS, OR OF COMPLETE REPLACEMENT OF A FLOOR WITH NEW CONSTRUCTION, OR OF OTHER METHODS AT THE ENGINEER'S OPTION. IN ANY CASE, COMPLETE STRUCTURAL ENGINEERING DRAWINGS AND CALCULATIONS SHALL BE SUBMITTED FOR REVIEW."KLEIN

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